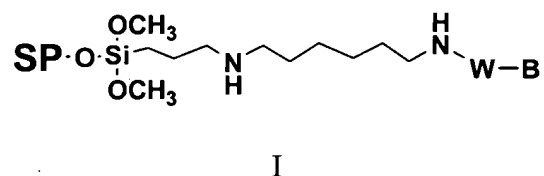


Listing of Claims

Claims 1-53. (Canceled).

54. (Amended) A compound of the Formula I:



wherein SP is a solid support, W is a ~~chemical~~ succinyl linkage, and B represents a terminal chemical group from which an oligonucleotide can be synthesized.

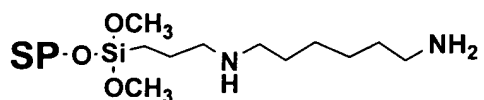
55. (Amended) The compound of claim 54, wherein said B comprises a nucleic acid, nucleoside, nucleotide, or ~~non-nucleoside~~ an abasic moiety.

56. (Amended) The compound of claim 55, wherein said nucleic acid, nucleoside, nucleotide, or ~~non-nucleotide~~ abasic moiety comprises an acid labile protecting group.

57. (Previously Presented) The compound of claim 56, wherein said acid labile protecting group is a dimethoxytrityl, monomethoxytrityl, or trityl group.

58. (Amended) A method of synthesizing a compound of claim 54, comprising:

coupling a terminal chemical group comprising a nucleic acid, nucleoside, nucleotide, or ~~non-nucleotide~~ an abasic moiety to the primary amine of a compound of Formula V(a):



V(a)

~~under conditions suitable for the isolation of~~ to form said compound of claim 4
54.

59. (Previously Presented) The method of claim 58, wherein said coupling is at a loading from about 50 to about 100 $\mu\text{mol/gram}$ of said SP.

60. (Previously Presented) The method of claim 58, wherein said coupling is at a loading of about 75 to about 85 $\mu\text{mol/gram}$ of said SP.

61. (Previously Presented) The compound of claim 54, wherein said SP is a controlled pore glass support.

62. (Amended) The compound of claim 5[4]5, wherein ~~said W is a succinyl linker and~~ said B is an abasic moiety.

63. (Previously Presented) The compound of claim 54, wherein ~~said W is a succinyl linker and~~ said B is selected from adenosine, cytidine, guanosine, thymidine, or uridine.

64. (Canceled).

65. (Previously Presented) The compound of claim 62, wherein said abasic succinate is a 5'-O-succinyl-3'-O-DMT deoxyribose.

66. (Previously Presented) The compound of claim 63, wherein said adenosine succinate is a 5'-O-DMT-3'-O-succinyl adenosine with or without nitrogen protecting groups.

67. (Previously Presented) The compound of claim 63, wherein said cytidine succinate is a 5'-O-DMT-3'-O-succinyl cytidine with or without nitrogen protecting groups.

68. (Previously Presented) The compound of claim 63, wherein said guanosine succinate is a 5'-O-DMT-3'-O-succinyl guanosine with or without nitrogen protecting groups.

69. (Previously Presented) The compound of claim 63, wherein said thymidine succinate is a 5'-O-DMT-3'-O-succinyl thymidine.

70. (Previously Presented) The compound of claim 63, wherein said uridine succinate is a 5'-O-DMT-3'-O-succinyl uridine.